

March 10

Work Order ID 80524

\*80524\*

Page 1

Wednesday, February 22, 2012 1:38:06 PM

Item ID: D139-799-015 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Engine Wash  
 Start Date: 2/22/2012 Start Qty: 4.00 \*4\* Cust Item ID:  
 Required Date: 2/22/2012 Req'd Qty: 4.00 \*4\* Customer:  
 Reference:

Approvals: Process Plan: [Signature] Date: 12-02-12 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D139-799	F

100 0.00

\*100\*

DC

Document Control

Memo

Photocopy bluefile & type labels per PPP D139-799-015  
 CHG004

0.00

5 12/03/12

MC 12/02/12

[Signature]

110

Pick Kit

0.00

\*110\*

Packaging

Packaging

Memo

0.00

126/24 SP 4 [Stamp]

120

QC4- 100% Inspect kits for completeness

0.00

\*120\*

QC

Quality Control

Memo

0.00

5 12/03/12

[Signature]

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**\* Work Order ID 80524**

**\*80524\***

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Wednesday, February 22, 2012 1:38:06 PM

Item ID: D139-799-015

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Engine Wash

Start Date: 2/22/2012 Start Qty: 4.00

**\*4\***

Cust Item ID:

Required Date: 2/22/2012 Req'd Qty: 4.00

**\*4\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
<b>*130*</b>									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D139-799-015								
	Location: <u>C</u>								
	PPP rev: <u>F6031</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

*Handwritten signature and date: 2/23/12*

*Handwritten date: MCH 12/03/05*

*Handwritten date: 02-03-12*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, February 22, 2012 1:38:12 PM

Page 1

Work Order ID: 80524

\*80524\*

Parent Item: D139-799-015

\*D139-799-015\*

Parent Item Name: Engine Wash

Start Date: 2/22/2012

Required Date: 2/22/2012

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:B 11.07.04 new issue DD verf:JLM IPP REV:B  
AS PER ECN 11-598 11-06-05 JLM VERF BY:DD IPP Rev:C 11.09.27  
PER CHG003 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D4121-1

Manufactured

No

110

Each

19.0000

2

8

\*\*

\*D4121-1\*

Hose Assembly

Location

Loc Qty

Loc Code

ST192

19

74264

4

76475

15

D4121-3

Manufactured

No

110

Each

17.0000

1

4

\*\*

\*D4121-3\*

Hose Assembly

Location

Loc Qty

Loc Code

ST192

17

71290

2

72245

4

72466

4

76474

7

D4121-5

Manufactured

No

110

Each

5.0000

1

4

\*\*

\*D4121-5\*

Hose Assembly

Location

Loc Qty

Loc Code

ST192

5

76436

5

~~1X~~

B72467 1X

B71291 2X

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Wednesday, February 22, 2012 1:38:12 PM

Work Order ID: 80524

\*80524\*

Parent Item: D139-799-015

\*D139-799-015\*

Parent Item Name: Engine Wash

Start Date: 2/22/2012

Required Date: 2/22/2012

Start Qty: 4.00

Required Qty: 4.00

D4131-041 Manufactured No

110 Each 8.0000 1 4

\*D4131-041\*

Manifold Assembly

\*\*

Location

Loc Qty

Loc Code

ST132

8

74251

6

76891

2

110 Each 4.0000 1 4

D4131-043 Manufactured No

\*D4131-043\*

Doubler Assembly

\*\*

Location

Loc Qty

Loc Code

ST132

4

74259

4

110 Each 10.0000 2 8

D4146-1 Manufactured No

\*D4146-1\*

Fitting

\*\*

Location

Loc Qty

Loc Code

ST132

10

79173

10

110 Each 26.0000 2 8

D4182-1 Manufactured No

\*D4182-1\*

Fitting, Quick Disconnect

\*\*

Location

Loc Qty

Loc Code

ST135

26

72463

26

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

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Work Order ID: 80524

**\*80524\***

Parent Item: D139-799-015

**\*D139-799-015\***

Parent Item Name: Engine Wash

Start Date: 2/22/2012

Required Date: 2/22/2012

Start Qty: 4.00

Required Qty: 4.00

D4384-1

Manufactured

No

110

Each

5.0000

1

**\*D4384-1\***

Placard

\*\*

Location

Loc Qty

Loc Code

ST139F

5

72464

5

AN526-1032R16

Purchased

No

110

Each

80.0000

4

**\*AN526-1032R16\***

Screw

\*\*

Location

Loc Qty

Loc Code

ST348

80

119108

80

AN832-6J

Purchased

No

110

Each

22.0000

2

**\*AN832-6.1\***

Union

\*\*

Location

Loc Qty

Loc Code

ST327

22

118490

2

119108

20

AN924-6J

Purchased

No

110

Each

25.0000

4

**\*AN924-6.1\***

Nut

\*\*

Location

Loc Qty

Loc Code

ST329

25

115884

1

118473

4

119433

10

119438

10

MS21919WDG09

Purchased

No

110

Each

0.0000

20

**\*MS21919WDG09\***

Clamp

\*\*

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Shop Packet Print

Page 3

25x 20x ✓  
 M120308 M119902 (4)  
 12/2/24  
 35x 1412839 420839

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 80524

**\*80524\***

Parent Item: D139-799-015

**\*D139-799-015\***

Parent Item Name: Engine Wash

Start Date: 2/22/2012

Required Date: 2/22/2012

Start Qty: 4.00

Required Qty: 4.00

NAS1149C0932R

Purchased

No

110

Each



140.0000

2

8

**\*NAS1149C0932R\***

\*\*

12/2/24  

Washer

Location

Loc Qty

Loc Code

ST296

140

118242

140

8

Wednesday, February 22, 2012 1:38:12 PM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID 80524

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Page 1

Wednesday, February 22, 2012 1:38:06 PM

Item ID: D139-799-015

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID:

Stop

\*NS2\*

Item Name: Engine Wash

Start Date: 2/22/2012 Start Qty: 4.00

\*4\*

Cust Item ID:

Required Date: 2/22/2012 Req'd Qty: 4.00

\*4\*

Customer:

Reference:

Approvals:

Process Plan:

Date: 2-22-12

Tooling:

Date:

Run

Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D139-799	F

100

\*100\*

DC

Document Control

Memo

Photocopy bluefile & type labels per PPP D139-799-015  
CHG004

0.00

0.00

2 After work  
+ Label

M.L.S 12/02/24  
4

110

Pick Kit

0.00

\*110\*

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

\*120\*

QC

Memo

0.00

Quality Control

## 5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -021	Qty -025	Part Number	Description
X							D139-799-011	MAINTENANCE STEP KIT
	X						D139-799-012	MAINTENANCE STEP KIT
		X					D139-799-015	ENGINE WASH KIT
			X				D139-799-017	CARGO FLOOR PROTECTOR KIT
				X			D139-799-019	CABIN FLOOR PROTECTOR KIT
					X		D139-799-021	CARGO COMPARTMENT PROTECTIVE TRIM KIT
						X	D139-799-025	CARGO COMPARTMENT RAINGUTTER KIT
			2				D3580-1	JOGGLE BRACKET
			2	8			D3628-1	CUPPED WASHER
1							D4092-041	MAINTENANCE STEP ASSEMBLY
	1						D4092-042	MAINTENANCE STEP ASSEMBLY
		2					D4121-1	HOSE ASSEMBLY
							D4121-3	HOSE ASSEMBLY
							D4121-5	HOSE ASSEMBLY
				1			D4130-1	FWD CABIN FLOOR PROTECTOR
				1			D4130-3	AFT CABIN FLOOR PROTECTOR
			1				D4130-5	FWD CARGO FLOOR PROTECTOR
			1				D4130-7	CENTER CARGO FLOOR PROTECTOR
			1				D4130-9	AFT CARGO FLOOR PROTECTOR
		1					D4131-041	MANIFOLD ASSEMBLY
		1					D4131-043	DOUBLER ASSEMBLY
		2					D4146-1	FITTING
			1				D4153-1	JOGGLE BRACKET
			1				D4153-3	JOGGLE BRACKET
				4			D4153-5	CLAMP PLATE
			2				D4166-1	PLACARD, MAX LOAD
		2					D4182-1	FITTING, QUICK DISCONNECT
		1					D4384-1	PLACARD
					2		D4427-1	SCUFF PLATE
						1	D4456-1	FWD RAINGUTTER, LH
						1	D4456-2	FWD RAINGUTTER, RH
						1	D4456-3	AFT RAINGUTTER, LH
						1	D4456-4	AFT RAINGUTTER, RH
						2	D4456-5	CENTER RAINGUTTER
4	4						AN6H12	BOLT
		4					AN526-1032R16	SCREW
		2					AN832-6J	UNION
		4					AN924-6J	NUT
					10		MS21075L3	NUTPLATE
		20					MS21919WDG09	CLAMP
					10		MS27039-1-09	SCREW
					10		NAS1149C0332R	WASHER (or AN960C10L)
6	6						NAS1149D0663J	WASHER (or AN960JD616)
		2					NAS1149C0932R	WASHER (or AN960C916L)

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Revision: F  
Date: 11.10.20